

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	3	("3001846").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/26 12:19
L4	1	("4498461").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/26 12:51
L5	3	(stutter\$3 or stammer\$3) and bone and hear\$3 and microphone and voice and cochlea	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/08/26 13:09
L6	1545	(600/23 600/24 128/897 704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/08/26 15:39
L7	596	(607/57).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/08/26 15:39
S1	7	((("3566858") or ("4221488") or ("4498461") or ("4685448") or ("5478304") or ("5961443")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:19
S2	38	(600/23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:20
S3	36	(600/24).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:26
S4	232	(704/271).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:31
S5	1832	128/897	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:34

S6	678	S5 and (hear\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:35
S7	91	S6 not heart	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:35
S8	90	S7 not \$2continen\$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 09:48
S9	3114	vibrat\$3 and (implant\$3 with skull or bone) and frequency and (circuit\$2 or delay\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 09:54
S10	13	S9 and (anti\$stutter\$3 or stutter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 09:55
S11	507	vibrat\$3 and (implant\$3 with (skull or bone)) and frequency and (circuit\$2 or delay\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 09:57
S12	2	S11 and (anti\$stutter\$3 or stutter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 10:04
S13	751	vibrat\$3 and (implant\$3 with (skull or bone)) and frequency	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 09:55
S14	2	S13 and (anti\$stutter\$3 or stutter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 09:56
S15	2	((("20010056300") or ("20020091337"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 10:01
S16	1	("5085628").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 10:01
S18	1	"20010056300"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 10:07

S19	507	vibrat\$3 and (implant\$3 with (skull or bone)) and frequency and (circuit\$2 or delay\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 10:14
S20	290	S19 and (hear or hearing)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 10:14
S21	192	S20 not heart	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:12
S22	187	S20 and speech	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:15
S23	1	S20 and (speech with impediment)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:12
S25	0	S20 and stammer\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:15
S27	2	S19 and (anti\$stutter\$3 or stutter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:16
S28	209	S19 and speech	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:16
S29	26	S19 and (speech with (problem or defect or impediment or impair\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/12 11:17
S30	38	(600/23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/12 11:21
S31	21754	((frequency with (shift or shifting) with circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 11:57
S32	1157	(600/23 600/24 128/897). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:02

S33	6	S31 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 11:58
S34	4	S33 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 12:54
S35	18	(US-20010056300-\$ or US-20060015155-\$ or US-20050226447-\$ or US-20040236176-\$ or US-20040172102-\$ or US-20040032962-\$ or US-20040028249-\$ or US-20060089522-\$).did. or (US-5940798-\$ or US-5961443-\$ or US-6231500-\$ or US-4377158-\$ or US-5478304-\$ or US-6491622-\$ or US-5788656-\$ or US-7043040-\$ or US-5047994-\$ or US-4982434-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/30 12:52
S36	1	S35 and vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:03
S37	74	(600/23 600/24).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 12:54
S38	8	S37 and vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:02
S39	5	S38 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:02
S40	5270	(128/898 128/897).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:02
S41	1	S40 and vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:17
S42	0	S41 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:18
S43	197	vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:16

S44	23	S43 and (skull or bone)	US-PGPUB; USPAT	OR	ON	2007/08/30 13:18
S45	1	S40 and vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	ON	2007/08/30 13:03
S46	10	S44 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:10
S47	2294	vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter \$3 or impediment)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:15
S48	197	vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter \$3)	US-PGPUB; USPAT	OR	ON	2007/08/30 13:16
S49	880	(tactile or mechanical or vibrat\$3) and (stammer\$3 or stutter\$3 or anti\$stutter \$3)	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:18
S50	683	S49 not S43	US-PGPUB; USPAT	OR	OFF	2007/08/30 13:18
S51	399	S50 and (skull or bone or bony)	US-PGPUB; USPAT	OR	ON	2007/08/30 13:18
S52	0	S42 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 13:18
S53	284	S51 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/30 14:12
S54	241	(704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/30 14:12
S55	1174	(600/23 600/24 128/897). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/02/21 15:11
S56	4470	(128/898).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/02/21 15:11
S57	1418	(600/23 600/24 128/897 704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/02/21 15:12

S58	208	vibrat\$3 and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2008/02/22 08:53
S59	24	S58 and (skull or bone)	US-PGPUB; USPAT	OR	ON	2008/02/22 08:53
S60	917	(tactile or mechanical or vibrat\$3) and (stammer\$3 or stutter\$3 or anti\$stutter\$3)	US-PGPUB; USPAT	OR	OFF	2008/02/22 08:54
S61	7	((stutter\$3 or stammer\$3 or hear or hearing or anti\$stutter\$3 or speech) and sound and bone and skull and (amplify\$3 or amplificat\$3) and vibrat\$3). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/06 08:01
S62	2	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or speech or speak\$3) and S61	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/06 08:09
S63	21	(US-20010056300-\$ or US-20040028249-\$ or US-20040032962-\$ or US-20040172102-\$ or US-20040236176-\$ or US-20050226447-\$ or US-20060015155-\$ or US-20060089522-\$ or US-20050141730-\$ or US-20040234091-\$).did. or (US-6231500-\$ or US-4377158-\$ or US-4982434-\$ or US-5047994-\$ or US-5478304-\$ or US-5788656-\$ or US-5940798-\$ or US-5961443-\$ or US-6491622-\$ or US-7043040-\$ or US-6402682-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/11/06 08:33
S64	13	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or speech or speak\$3) and S63	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/06 08:34
S65	1210	(600/23 600/24 128/897). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/06 12:03
S66	1474	(600/23 600/24 128/897 704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/06 12:03

S67	1503	(600/23 600/24 128/897 704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/08/17 07:04
S68	22	(US-20010056300-\$ or US-20040028249-\$ or US-20040032962-\$ or US-20040172102-\$ or US-20040236176-\$ or US-20050226447-\$ or US-20060015155-\$ or US-20060089522-\$ or US-20050141730-\$ or US-20040234091-\$ or US-20060211910-\$).did. or (US-6231500-\$ or US-4377158-\$ or US-4982434-\$ or US-5047994-\$ or US-5478304-\$ or US-5788656-\$ or US-5940798-\$ or US-5961443-\$ or US-6491622-\$ or US-7043040-\$ or US-6402682-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/02/23 08:41
S70	13	S68 and ((bone near conduct\$4) or (bone with vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:42
S71	6	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or speech or speak\$3) and S70	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:42
S72	19	(stutter\$3 or stammer\$3 or anti\$stutter\$3) and ((bone near conduct\$4) or (bone with vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:45
S73	21	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or (speech near impeded\$5)) and ((bone near conduct \$4) or (bone with vibrat \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:46
S74	4	S73 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:46
S75	3	S74 and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:51

S76	24	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or (speech near impair\$4)) and ((bone near conduct\$4) or (bone with vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:53
S77	5	S76 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:53
S78	4	S77 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 08:53
S79	4	("4020567") or ("3349179") or ("4421488").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 09:03
S80	3	(US-4784115-\$).did. or (US-3349179-\$).did. or (WO-9400085-\$).did.	USPAT; USOCR; EPO	OR	OFF	2010/02/23 09:09
S81	20	("3349179"   "3358390"   "3920903"   "4421488").PN. OR ("3349179"   "4784115").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/23 09:10
S82	15	S81 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:10
S83	13	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or (speech near imped\$5) or (speech near impair\$4)) and S82	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:11
S84	2	S80 and voice	USPAT; USOCR; EPO	OR	OFF	2010/02/23 09:17
S85	1	S83 and microphone and bone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:18
S86	65	(stutter\$3 or stammer\$3 or anti\$stutter\$3) and ((bone with conduct\$4) or (bone with vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:58
S87	62	(stutter\$3 or stammer\$3 or anti\$stutter\$3) and (bone with conduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:59



S88	71	(stutter\$3 or stammer\$3 or anti\$stutter\$3 or (speech near imped\$5) or (speech near impair\$4)) and (bone with conduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 09:59
S89	23	S88 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 10:00
S90	20	S89 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 10:00
S91	20	S90 not S68	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 10:00
S92	2	((bone and conduct\$3 and (stutter\$3 or anti\$stutter\$3 or stammer\$3) and microphone and voice)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 10:03
S93	7	((("7664277") or ("5447489") or ("5460593") or ("5033999") or ("20070010704") or ("5455842") or ("3985977")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 10:21
S94	5	S93 and @ad<"20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 10:21
S95	31	(US-20010056300-\$ or US-20040028249-\$ or US-20040032962-\$ or US-20040172102-\$ or US-20040236176-\$ or US-20050226447-\$ or US-20060015155-\$ or US-20060089522-\$ or US-20050141730-\$ or US-20040234091-\$ or US-20060211910-\$ or US-20090210231-\$ or US-20070010704-\$).did. or (US-6231500-\$ or US-4377158-\$ or US-4982434-\$ or US-5047994-\$ or US-5478304-\$ or US-5788656-\$ or US-5940798-\$ or US-5961443-\$ or US-6491622-	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/02/23 15:14

		\$ or US-7043040-\$ or US-6402682-\$ or US-4784115-\$ or US-3603305-\$ or US-4421488-\$ or US-4020567-\$ or US-5455842-\$.did. or (US-3349179-\$.did. or (WO-9400085-\$.did.				
S96	14	S95 and cochlea	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 15:14
S97	0	(stutter\$3 and bone and conduct\$3 and microphone and voice and cochlea and delay and stimulat\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 16:07
S98	0	(stutter\$3 and bone and conduct\$3 and microphone and voice and cochlea and delay).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 16:07
S99	1	S95 and (delay\$3 with cochlea)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 16:07
S100	10	(delay\$3 with stimulat\$ with cochlea)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/23 16:08
S101	10	(delay\$3 with stimulat\$ with cochlea)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 16:09
S102	5	S101 and @ad< "20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/23 16:09
S103	2	(US-20040172102-\$.did. or (US-5788656-\$.did.	US-PGPUB; USPAT	OR	OFF	2010/02/24 10:17
S104	2	S103 and bone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/24 10:17
S105	1	S103 and bone and frequency and cochlea and microphone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/02/24 10:19
S106	1524	(600/23 600/24 128/897 704/271).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/24 11:04

S107	550	(607/57).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/02/24 11:04
S108	1	("5961443").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 11:44
S109	2	((("5961443") or ("4498461"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 11:46
S110	0	wo03001846	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 11:47
S111	3	"03001846"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 11:47
S112	91	rastatter	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 11:53
S113	0	((stutter\$3 or stammer\$3) and bone and hear\$3 and microphone and sound and voice and cochlea).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/07/27 12:14
S114	0	S109 and cochlea	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/07/27 12:17
S115	1	S109 and microphone and bone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/07/27 12:17
S116	1	(10/589363).APP.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 12:21
S117	1	S116 and cochlea	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/07/27 12:21

S118	34	(US-20010056300-\$ or US-20040028249-\$ or US-20040032962-\$ or US-20040172102-\$ or US-20040236176-\$ or US-20050226447-\$ or US-20060015155-\$ or US-20060089522-\$ or US-20050141730-\$ or US-20040234091-\$ or US-20060211910-\$ or US-20090210231-\$ or US-20070010704-\$).did. or (US-6231500-\$ or US-4377158-\$ or US-4982434-\$ or US-5047994-\$ or US-5478304-\$ or US-5788656-\$ or US-5940798-\$ or US-5961443-\$ or US-6491622-\$ or US-7043040-\$ or US-6402682-\$ or US-4784115-\$ or US-3603305-\$ or US-4421488-\$ or US-4020567-\$ or US-5455842-\$ or US-4498461-\$).did. or (US-3349179-\$).did. or (WO-9400085-\$ or WO-2004032816-\$ or WO-3091988-\$).did.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/07/28 12:13
S119	14	S118 and bone and cochlea \$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/07/28 12:13
S120	9	S119 and @ad< "20031022"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/07/28 12:14

8/ 26/ 2010 4:00:30 PM

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